

#### IV. HEALTH HAZARD DATA

|                                    |  |
|------------------------------------|--|
| THRESHOLD LIMIT VALUE              | 0.1 mg/m <sup>3</sup> as CrO <sub>3</sub>  |
| EFFECTS OF OVEREXPOSURE            | May cause irritation to mucous membranes and skin. Can cause irritation and conjunctivitis if in contact with the eyes can cause ulceration of skin wounds. If inhaled it can cause irritation of the respiratory system.  |
| EMERGENCY AND FIRST AID PROCEDURES | <p><u>Skin Contact</u>: Flush skin with water. Clothing penetrated with solutions or dust should be removed promptly and washed before re-use.</p> <p><u>Contact With Eyes</u>: Immediately flush eyes with plenty of water for at least 15 minutes. Eyelids should be held apart during irrigation to insure water contact with entire surface of eyes and lids. Call a physician.</p> <p><u>Inhalation</u>: Irrigate nasal passages and mouth with salt water.</p> |

#### V. REACTIVITY DATA

|  |   |
|--|---|
| STABILITY  | CONDITIONS TO AVOID   |
| Unstable <input checked="" type="checkbox"/> Stable    | Mildly oxidizing in solution but becomes strongly oxidizing in strong acid solutions. |
| INCOMPATIBILITY (Materials To Avoid)                   | Strong acids and oxidizable materials if in the presence of strong acids.             |
| Hazardous Decomposition Products                       | None  |
| Hazardous Polymerization                               | CONDITIONS TO AVOID   |
| May <input checked="" type="checkbox"/> Will Not Occur |   |

#### VI. SPILL OR LEAK PROCEDURES

|  |  |
|--|--|
| STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED | Solids should be shoveled up. Area should be flushed with water. Remaining traces should be neutralized with soda ash. Dissolved solids may then be treated by appropriate waste disposal method.  |
| WASTE DISPOSAL METHOD                                | The hexavalent chromium in solution may be reduced to trivalent chromium by a variety of reducing agents such as sodium bisulfite, sodium sulfite, sulfur dioxide or ferrous sulfate or chloride. The reduced chromium may then be precipitated as the hydrous chromic oxide by neutralizing to a pH of 7.5 with soda ash, caustic soda or lime. |

#### VII. SPECIAL PROTECTION INFORMATION

|                        |   |                |                            |
|------------------------|---|----------------|----------------------------|
| RESPIRATORY PROTECTION | Dust Respirator (U.S. Bureau of Mines 2175 Model 7100 or American Optical R 2090 Red Devil with mist filter or equivalent). |                |                            |
| VENTILATIONS           | LOCAL EXHAUST   | SPECIAL        |                            |
|                        | X See LTV   |                |                            |
|                        | MECHANICAL  | OTHER          |                            |
|                        | X Listed above  |                |                            |
| PROTECTIVE GLOVES      | Plastic or Rubber   | EYE PROTECTION | OTHER PROTECTIVE EQUIPMENT |
|                        |   | Safety Goggles |                            |

#### VIII. SPECIAL PRECAUTIONS

|   |  |
|---|--|
| PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING | <p>Avoid contact with skin or eyes. Avoid breathing mists or dusts.</p> <p>Do not take internally.</p> |
| OTHER PRECAUTIONS                               |  |

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THURSDAY